T.C. NUMBER: T.C. 668

(May be converted to Model C-165 in accordance with NOTE 7 of Aircraft Specification for that model.)

		•				
Engine		Warner Super Scarab Ser:	Warner Super Scarab Series 50 or 50A			
Engine li		For all operations, 2050 rpm (145 hp)				
Propeller		Maximum permissible diameter				
31	14-44-	- Landplane 90 in., Se	eapla	ne 96 in.		
Airspeed	IIMIES	Landplane: Level flight or climb	_ 16	/I mak Mana	T 3	
		Glide or dive - 215 m			Tild.	
		Flaps extended (90 de			0 mph	
		True Ind.	,	,		
		Seaplane:				
		Level flight or climb	- 14	6 mph True	Ind.	
		Glide or dive - 195 m	ph Tr	ue Ind.		
		Flaps extended (70 de	grees	down) - 10	8 mph	
Fuel		True Ind.			45 440	
ruer		35 gallons (2 tanks, 1 :	ın ea	ch wing at	17-1/2	
0il		gallons) (+61) 3.5 gallons (+4)				
No. passengers		3 - Front (+34), rear (-	+681			
Baggage		64 lbs. (+82)				
Maximum weight		Landplane - 2350 lbs.				
Seaplane - 2500 lbs.						
C.G. limits (+41.2) and (+49.3) (Landplane)						
		(+41.5) and (+49.8) (Seaplane)				
Spec. bas Serial No		Type Certificate No. 668 401 to 449, inclusive, manufactured prior to				
Serial MO	3.	8/27/42, eligible. A				
		that date.	bpro.	ar expired	as or	
		Serial Nos. 401 to 405,	incl	nsive. must	havo	
		baggage support (Draw			. muve	
			•	•		
EQUIPMENT	: (Datum is cer	terline bulkhead No. 1 (firew	all)) (* Me	ans net	
incre	ase) (See NOTE 4)				
01						
Class I:	1					
A, Landp 101.	lane:	CA type with baffles)	2.0	11-	. 10	
102.				lbs. lbs.	(-16) (-27)	
	6.50-10 wheels	(Warner M=3270)		lbs.	(-27) (+28)	
104.				lbs.	(+243)	
105.		6TS-7-1) - aft of	•	1200	(1243)	
	baggage compart:	ment	26	lbs.	(+97)	
106.	Battery box		7	lbs.	(+97)	
107.						
108.	Carburetor heat	er (Drawing C38912)	3	lbs.	(-9)	
		105, 106, 107, 108 PLUS:		11 -	4.0401	
151.	Seaplane fin (D.	rawing 3/451) ats with water rudder		lbs.	(+240)	
153.		ed pitch metal - Curtiss	329	lbs.	(+53)	
, , , ,	55511	ed proch metar - curciss	47	lbs.	(-27)	
			٠,	103.	("21)	
Class II:						
201.	Starter (Eclips	e Y-150)	23	lbs.	(+0)	
202.	Camera aperture	s (Drawing C37908-2,			` •	
	-4, -5)			lbs.	(+56)	
203.	Navigation ligh	ts (Grimes C)	2	lbs.	(+70)	
204.	Generators					
		n (Hodges H-12V)		lbs.	(+31.5)	
		ven (Hodges H-12V) ven (Bosch LE70-12R5)		lbs. lbs.	(-4)	
		ven (Eclipse G-15A-15V)		lbs.	(-4) (-4)	
205.	Flares	(DOZZĘDO O 10R 191)	۷.	_D.S.	(7)	
-		2 minute electric	18	lbs.	(+92)	
	(b) Five 1-min	ute electric		lbs.	(+92)	
206.	Landing lights					
	(a) (Grimes ST			lbs.	(+56)	
207		-1000) (Lt. only)		lbs.	(+56)	
207.		and tires (Goodyear 4MBA)	69	lbs.	(+28)	
208.		ne wheels (Autofan in. streamline tires	£ 0	1 ho	(420)	
209.	Pilot hatch (Dr			lbs.	(+28) (+36)	
210.	Engine shielding			lbs.	(+36) (-13)	
211.	Cabin heater (D			lbs.	(- 9)	
-	1	,,	•		,	

212.	Extra instruments	20 lbs.	(+15)
213.	Propellers		
	(a) Fixed pitch metal - Curtiss 55511		
	(Landplane)	47 lbs.	(-27)
	(h) Add, metal - Hamilton Standard hub		
	7056. blades 19B-1/2-16 or 19B-1/2-	17.	
	Diameter 7'2" maximum, 7'1/4"		
	minimum.	63 lbs.	(-27)
214.	Wheel streamlines (Drawing C37353)	27 lbs.	(+28)
215.	Emergency exit (Drawing C37511)	5 lbs.	(+53)
216.	Radio		
2.0.	(a) Superior 8B receiver (Drawing		
	C38901-1)	8 lbs.	(+34)
	(b) RAC AVD-7D, E, F, G receiver		
	(Drawing C38901-2)	31 lbs.	(+34)
	(c) RAC AVR-10 receiver	9 1bs.	(+23) or (+31)
	(d) Superior transmitter (Drawing		
	(d) Superior Cransmittees (224 mass)	11 lbs.	(+34)
	(e) Dynamotor (Drawing C38901-3)	15 lbs.	(+62)
	(f) Antenna reel (Drawing C38901-4)	2 1bs.	(+45)
217.	10 gallon cabin fuel tank (Drawing		•
21/.	C38764)	8 lbs.	(+49.5)
240	17-1/2 gallon cabin fuel tank	·	• •
218.	(Drawing C38764)	12 lbs.	(+51)
040			•
219.		8 lbs.	(+82)
	(Drawing C38602)	2 lbs.	(+55)
220.	Camera support (Drawing C37908-3)	2 105	(100)
	(Any camera up to 62 lbs. in weight may		
	be installed according to Drawing		
	C37908-3. Inspector should list type,		
	weight and make of camera; obtain a		
	weight and balance report both with		
	and without camera installed.)		
221.		1 1b.*	(+244)
	(a) Tail wheel fork (9 lbs.)	10 lbs.*	(+28)
	(b) Main gear (100 lbs.)	Use actual w	· - · ·
222.	Skis	use actual w	eldires
	(a) Wien Alaska W-2500		
	(b) Wien Alaska W-2500-A		
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- NOTE 1. Eligible for export to all countries except as follows, subject to provisions of MOP 2-4:
 - (a) Canada
- Landplane and seaplane eligible.
 Skiplane not eligible. However, structure (Drawing C38357, Rev. A) complies with Canadian requirements for ski gear with maximum pedestal height of 14 in. and tread of 79 in. with gear in half-deflected position. Tail skid structure satisfactory for installation of tail ski on tail wheel fork and axle assembly (Drawing C38383).
- NOTE 2. Relief valve in hydraulic flap operating system must be set to open at 180 lbs. per square inch.
- NOTE 3. Control surface movement: Rudder - 25 degrees from centerline of airplane. Elevator - 25 degrees up, 23-1/2 degrees down. Alleron - 25 degrees up, 25 degrees down. Tabs - 6.5 degrees up, 22 degrees down. Flap - see placard speeds.
- NOTE 4. Weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be submitted with original inspection report and each subsequent report covering change in equipment.